Daniel Geissler

List of Publications by Year
in descending order

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29	1,308	516561 16	501076 28
papers	citations	h-index	g-index

32	32	32	2035
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Analyzing the surface of functional nanomaterialsâ€"how to quantify the total and derivatizable number of functional groups and ligands. Mikrochimica Acta, 2021, 188, 321.	2.5	21
2	Combining HR-TEM and XPS to elucidate the coreâ€"shell structure of ultrabright CdSe/CdS semiconductor quantum dots. Scientific Reports, 2020, 10, 20712.	1.6	15
3	An automatable platform for genotoxicity testing of nanomaterials based on the fluorometric Î³-H2AX assay reveals no genotoxicity of properly surface-shielded cadmium-based quantum dots. Nanoscale, 2019, 11, 13458-13468.	2.8	17
4	Fluorescence Quantum Yield and Single-Particle Emission of CdSe Dot/CdS Rod Nanocrystals. Journal of Physical Chemistry C, 2019, 123, 24338-24346.	1.5	10
5	Determining the Thickness and Completeness of the Shell of Polymer Coreâ€"Shell Nanoparticles by X-ray Photoelectron Spectroscopy, Secondary Ion Mass Spectrometry, and Transmission Scanning Electron Microscopy. Journal of Physical Chemistry C, 2019, 123, 29765-29775.	1.5	21
6	Multimodal Cleavable Reporters for Quantifying Carboxy and Amino Groups on Organic and Inorganic Nanoparticles. Scientific Reports, 2019, 9, 17577.	1.6	10
7	Multimodal Cleavable Reporters versus Conventional Labels for Optical Quantification of Accessible Amino and Carboxy Groups on Nano- and Microparticles. Analytical Chemistry, 2018, 90, 5887-5895.	3.2	23
8	Excitation wavelength dependence of the photoluminescence quantum yield and decay behavior of CdSe/CdS quantum dot/quantum rods with different aspect ratios. Physical Chemistry Chemical Physics, 2017, 19, 12509-12516.	1.3	42
9	Three-in-One Crystal: The Coordination Diversity of Zinc Polypyridine Complexes. European Journal of Inorganic Chemistry, 2017, 2017, 5033-5040.	1.0	10
10	Fluorescent quantum dot hydrophilization with PAMAM dendrimer. Journal of Nanoparticle Research, 2016, 18, 1.	0.8	4
11	Recent developments in FÃ¶rster resonance energy transfer (FRET) diagnostics using quantum dots. Analytical and Bioanalytical Chemistry, 2016, 408, 4475-4483.	1.9	63
12	A Rapid, Amplificationâ€Free, and Sensitive Diagnostic Assay for Singleâ€Step Multiplexed Fluorescence Detection of MicroRNA. Angewandte Chemie - International Edition, 2015, 54, 10024-10029.	7.2	164
13	Reference materials and representative test materials to develop nanoparticle characterization methods: the NanoChOp project case. Frontiers in Chemistry, 2015, 3, 56.	1.8	23
14	Effect of fluorescent staining on size measurements of polymeric nanoparticles using DLS and SAXS. Analytical Methods, 2015, 7, 9785-9790.	1.3	30
15	A systematic comparison of different techniques to determine the zeta potential of silica nanoparticles in biological medium. Analytical Methods, 2015, 7, 9835-9843.	1.3	64
16	Critical review of the determination of photoluminescence quantum yields of luminescent reporters. Analytical and Bioanalytical Chemistry, 2015, 407, 59-78.	1.9	70
17	Quantification of Anisotropy-Related Uncertainties in Relative Photoluminescence Quantum Yield Measurements of Nanomaterials â€" Semiconductor Quantum Dots and Rods. Zeitschrift Fur Physikalische Chemie, 2015, 229, 153-165.	1.4	12
18	Lanthanides and Quantum Dots as FÃ¶rster Resonance Energy Transfer Agents for Diagnostics and Cellular Imaging. Inorganic Chemistry, 2014, 53, 1824-1838.	1.9	121

#	Article	IF	Citations
19	Six-Color Time-Resolved FÃ¶rster Resonance Energy Transfer for Ultrasensitive Multiplexed Biosensing. Journal of the American Chemical Society, 2013, 135, 1102-1109.	6.6	166
20	Semiconductor Quantum Dots as FRET Acceptors for Multiplexed Diagnostics and Molecular Ruler Application. Advances in Experimental Medicine and Biology, 2012, 733, 75-86.	0.8	15
21	Time-resolved and steady-state FRET spectroscopy on commercial biocompatible quantum dots. , 2011, , .		1
22	Terbium to Quantum Dot FRET Bioconjugates for Clinical Diagnostics: Influence of Human Plasma on Optical and Assembly Properties. Sensors, 2011, 11, 9667-9684.	2.1	36
23	Tumor specific lung cancer diagnostics with multiplexed FRET immunoassays. , 2010, , .		0
24	Ein Quantenpunktâ€basiertes molekulares Lineal zur optischen Multiplexanalyse. Angewandte Chemie, 2010, 122, 7732-7736.	1.6	6
25	Quantum Dot Biosensors for Ultrasensitive Multiplexed Diagnostics. Angewandte Chemie - International Edition, 2010, 49, 1396-1401.	7.2	263
26	A Quantumâ€Dotâ€Based Molecular Ruler for Multiplexed Optical Analysis. Angewandte Chemie - International Edition, 2010, 49, 7570-7574.	7.2	78
27	Optical size determination of quantum dots using FRET with terbium complexes as donors. , 2010, , .		1
28	Quantum dots as FRET acceptors for highly sensitive multiplexing immunoassays. Proceedings of SPIE, 2009, , .	0.8	2
29	Multiplexed diagnostics and spectroscopic ruler applications with terbium to quantum dots FRET. Proceedings of SPIE, 2009, , .	0.8	3